

ABSTRACT OF THE DISCLOSURE

The present invention provides a power saving apparatus for a half bridge power supply. The main purpose of the present invention is to reduce power consumption during standby-mode. The present invention includes a switch-apparatus, which is designed such that a start-up resistor will only consume power during normal-mode operation. Another purpose of the present invention is to apply a balance-apparatus for automatically balancing a differential voltage between a high-side capacitor and a low-side capacitor.